Edited by PatentPD

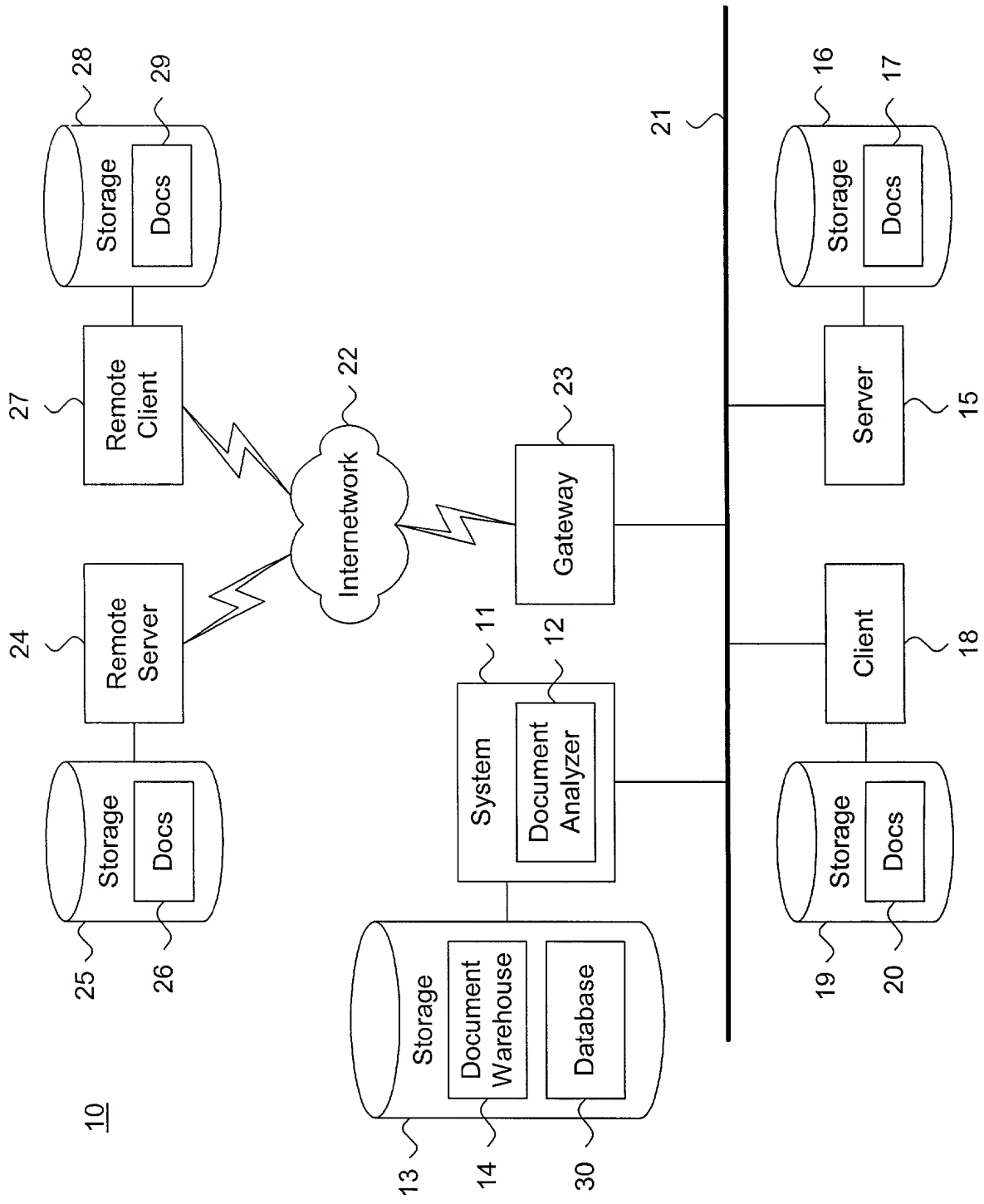


Figure 1.

Entered - Attached

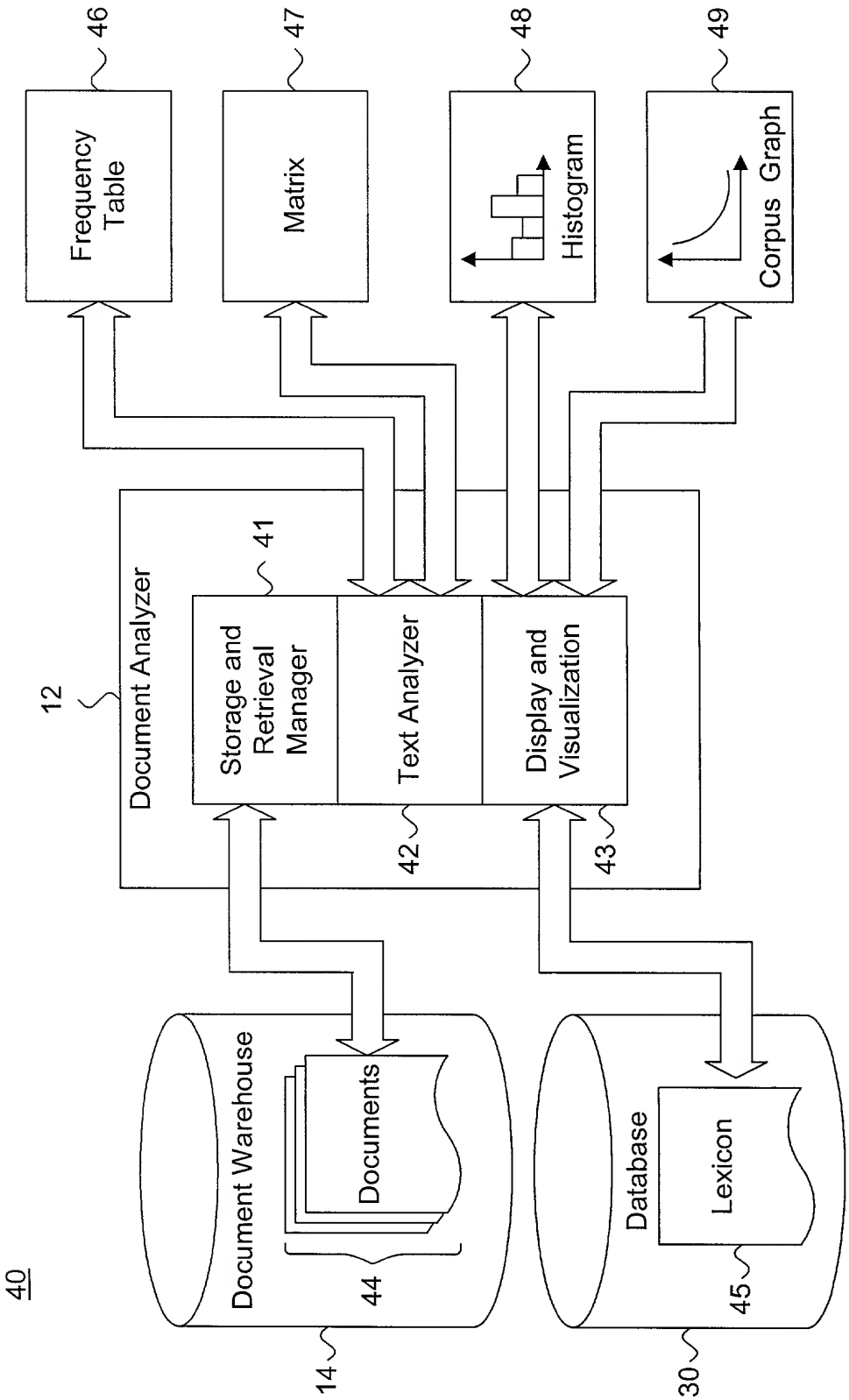


Figure 2.

Edited by PatentPal

Figure 3.

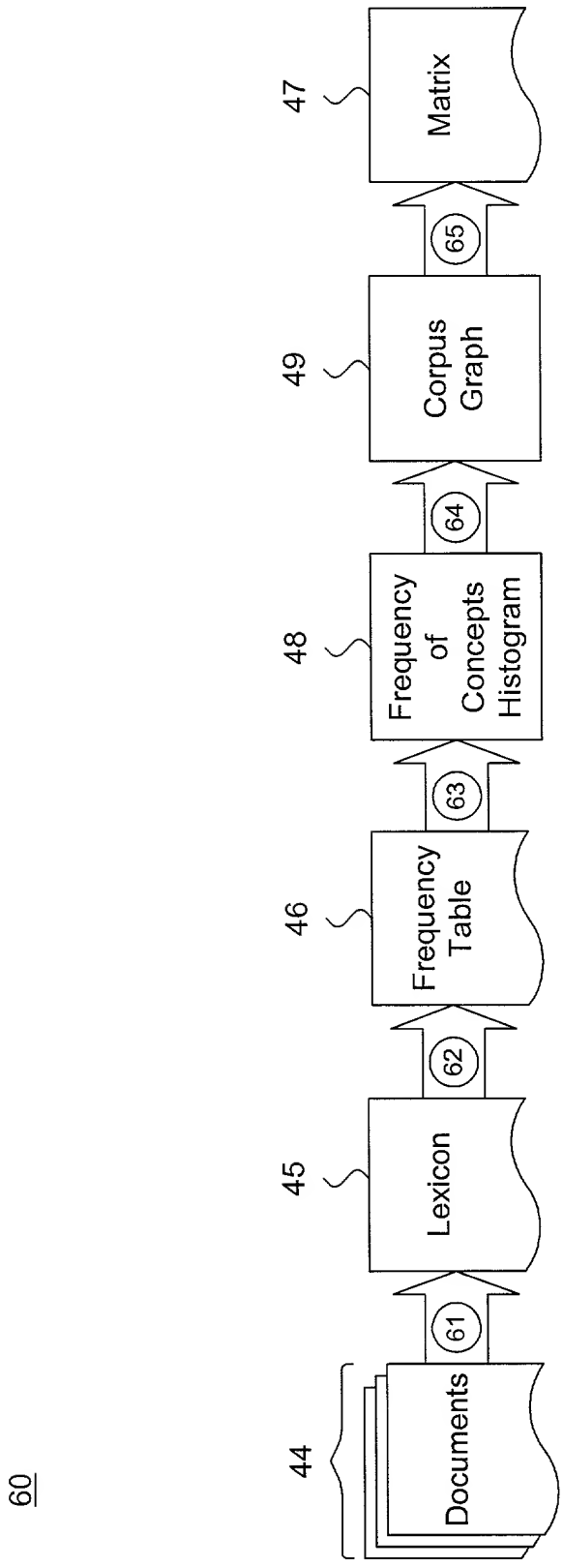
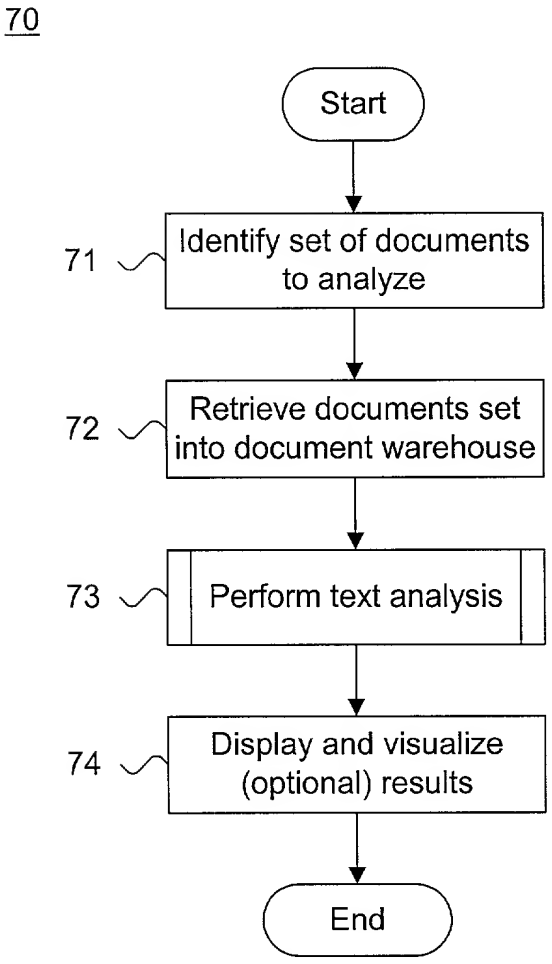


Figure 4.



Attorney's Docket No. 013.0171.01

Figure 5.

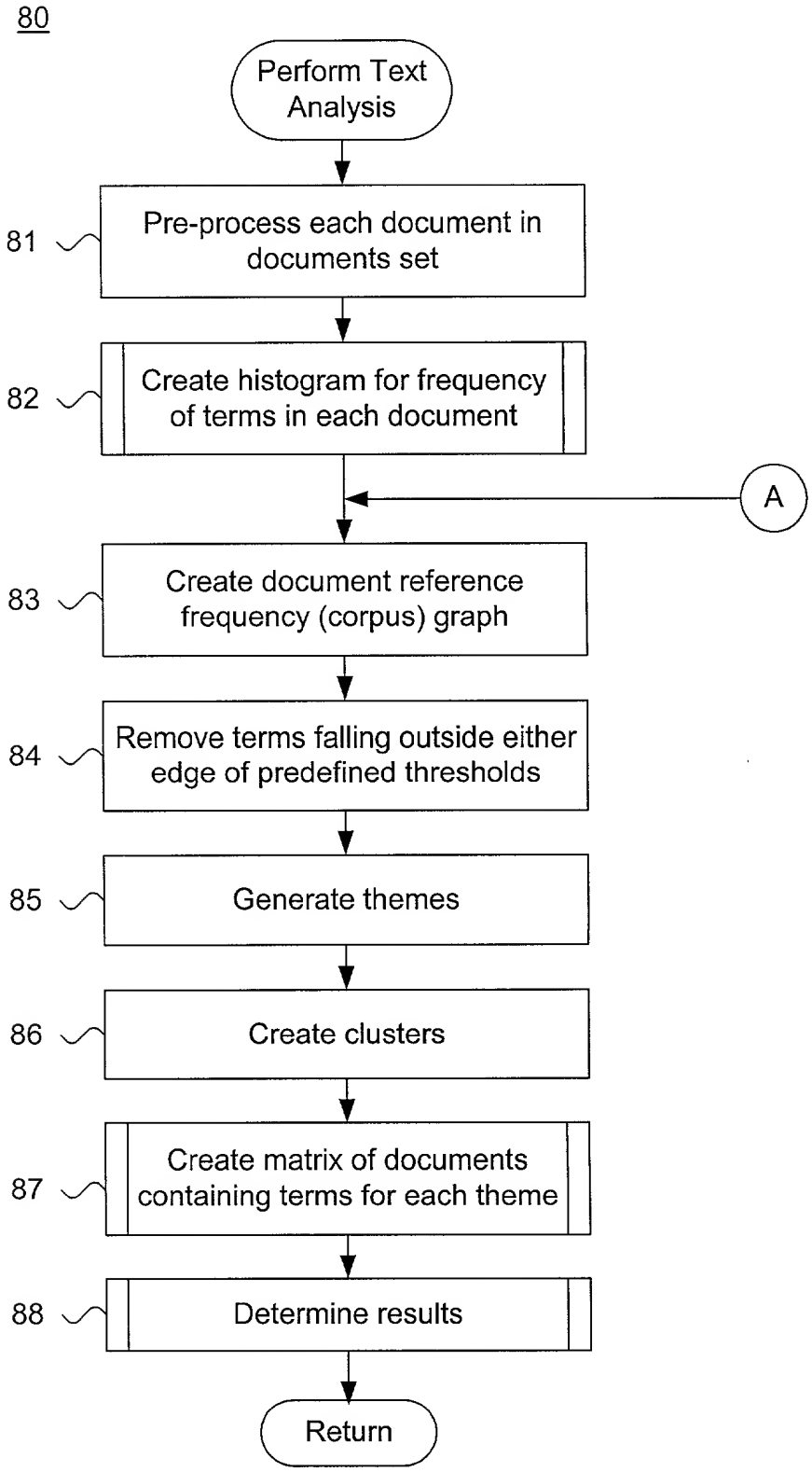

80
Perform Text Analysis
81
Pre-process each document in documents set
82
Create histogram for frequency of terms in each document
A
83
Create document reference frequency (corpus) graph
84
Remove terms falling outside either edge of predefined thresholds
85
Generate themes
86
Create clusters
87
Create matrix of documents containing terms for each theme
88
Determine results
Return

Figure 6.

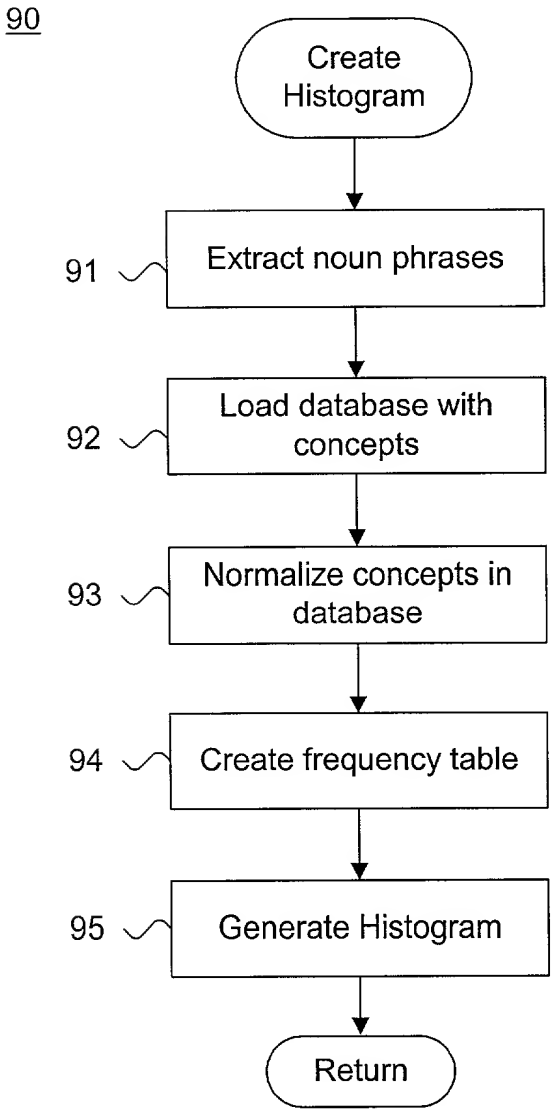

90
Create Histogram
91
Extract noun phrases
92
Load database with concepts
93
Normalize concepts in database
94
Create frequency table
95
Generate Histogram
Return

Figure 7.

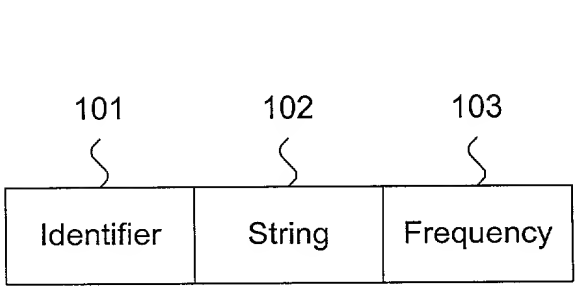
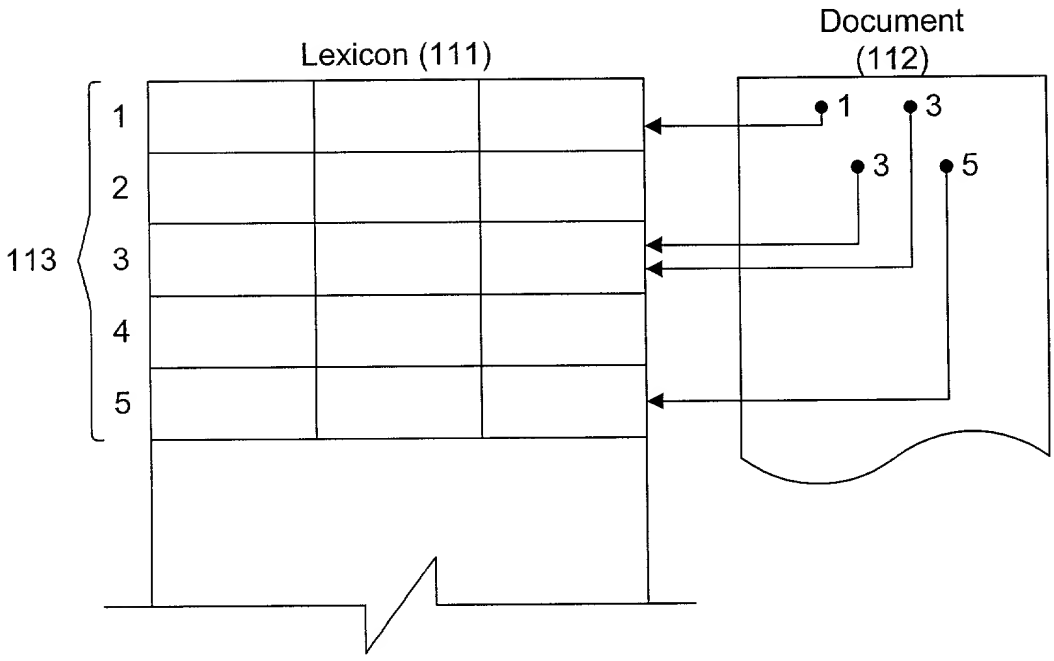


Figure 8



Docket No. 013.0171.01

Figure 9.

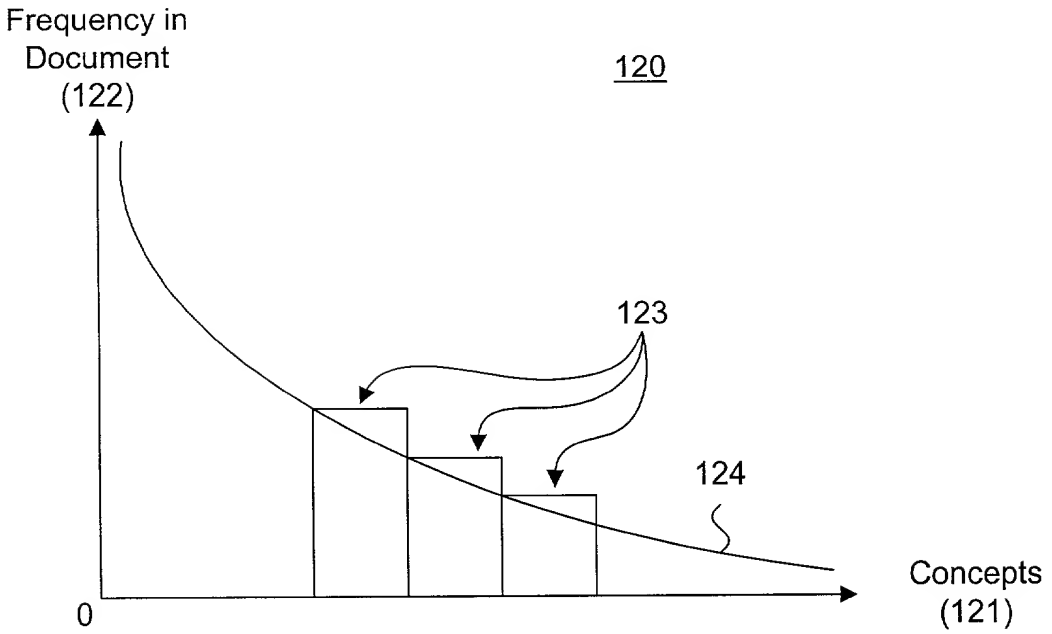


Figure 10.

130

Concept (131)	Frequency (132)
1	2
2	5
3	1
.	
.	
.	

133 134

Figure 11.

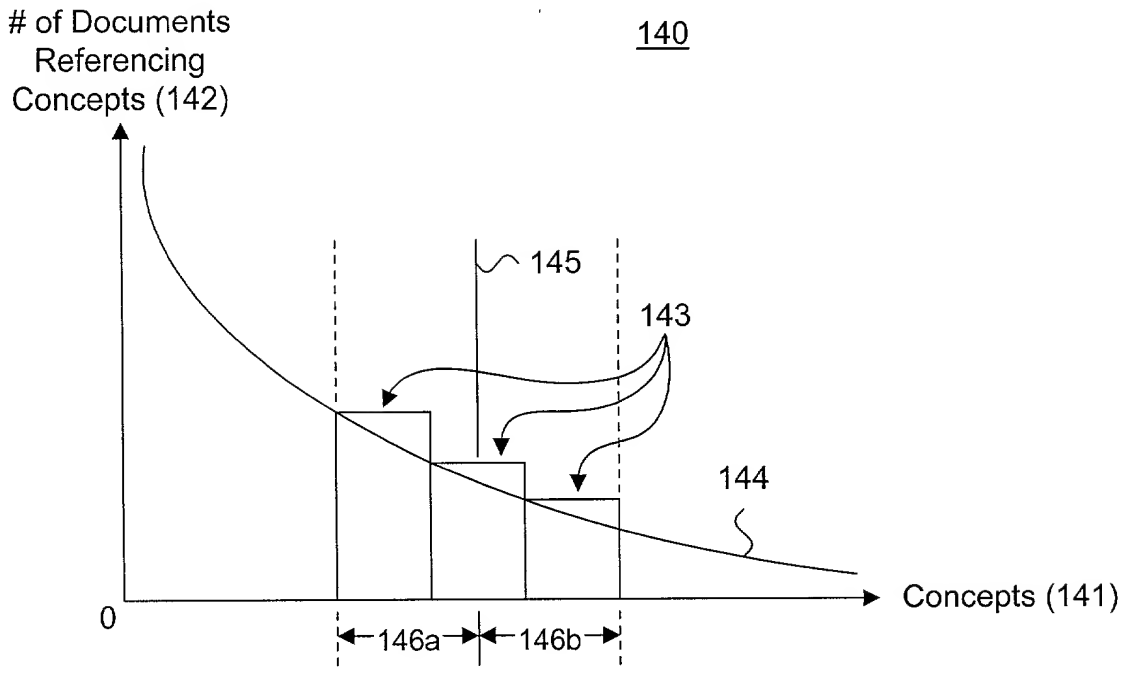


Figure 13.

170

171

	Cluster$_1$	Cluster$_2$	Cluster$_3$	Cluster$_4$	
Document$_1$	10	5	0	1	← 173a
Document$_2$	8	4	0	0	← 173b
Document$_3$	0	0	12	2	← 173c
.					
.					
.					
Document$_n$	0	0	17	3	← 173d

172

Figure 12.

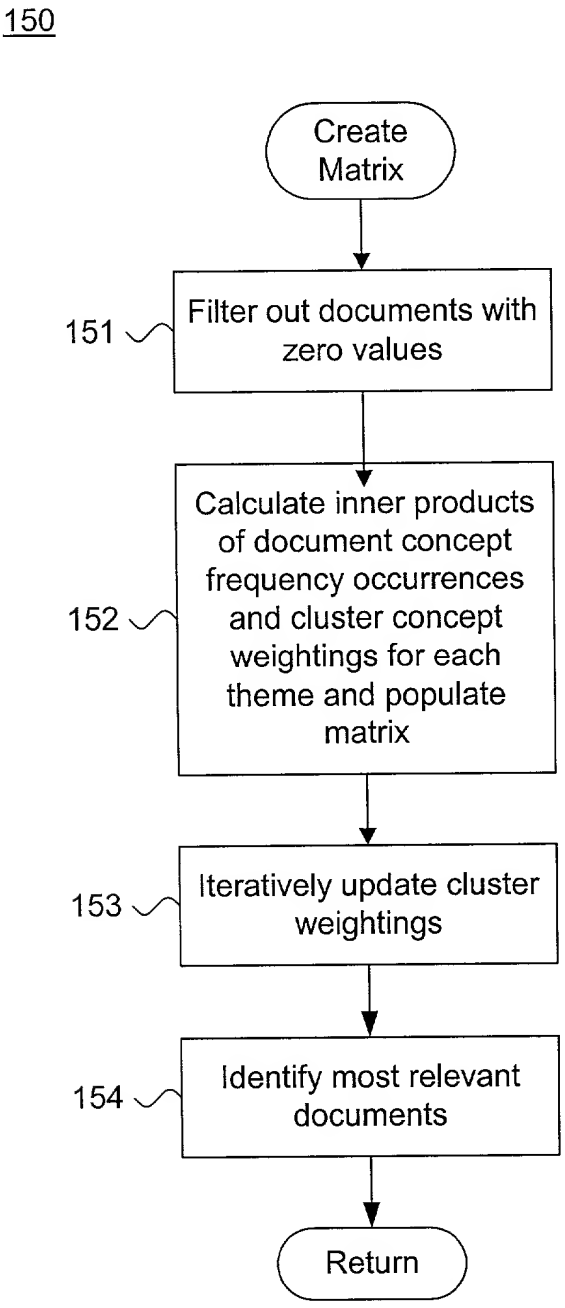
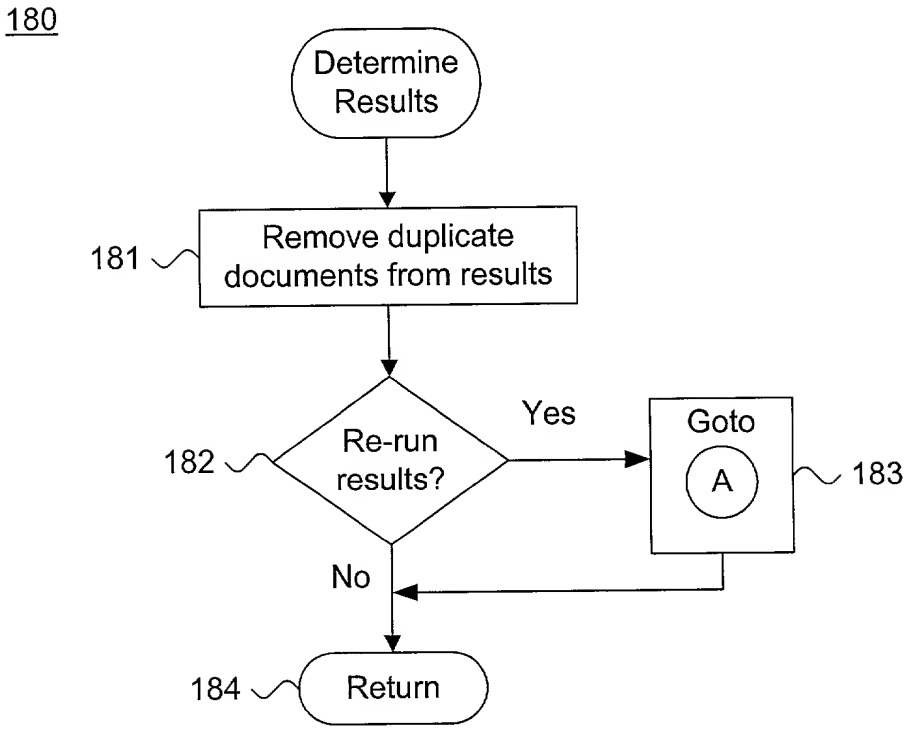

150
Create Matrix
151
Filter out documents with zero values
152
Calculate inner products of document concept frequency occurrences and cluster concept weightings for each theme and populate matrix
153
Iteratively update cluster weightings
154
Identify most relevant documents
Return

Figure 14.


180
Determine Results
181
Remove duplicate documents from results
182
Re-run results?
Yes
Goto
A
183
No
184
Return